

DEVICE AND METHOD FOR TRACKING
CONDITIONS IN AN ASSAY

ABSTRACT OF THE DISCLOSURE

10 The invention provides a device comprising a substrate having a plurality of
different molecular probes attached to a surface thereof and an integrated indicator that
exhibits a response when exposed to a condition to which the substrate may be exposed.
Each different molecular probe is selected to interact with a different corresponding
15 target, and the indicator response is detectable after removing the indicator from the
condition. Alternatively, a substrate is provided having a plurality of molecular probes
attached to a surface thereof and a plurality of different integrated indicators. Each
indicator is selected to exhibit a response when exposed to one of a plurality of
20 conditions to which the substrate may be exposed. The inventive devices are typically
used for biomolecular, or more specifically, nucleotidic assays. The invention also
provides for various apparatuses and methods for assaying a sample using the inventive
devices.